

Dave Dickerson



**SAIC Engineering, Inc.**

**A Subsidiary of Science Applications International Corporation**

*An Employee-Owned Company*



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September 18, 1995

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U.S. Environmental Protection Agency  
Region 1  
John F. Kennedy Building  
Boston, Massachusetts 02203

ATTENTION: Mr. Frank Ciavattieri


REFERENCE: Aerovox Site Post-Closure Monitoring,  
September 7,8,9, 1995

Dear Mr. Ciavattieri:

Enclosed are the results of the water level monitoring and cap inspection conducted at the Aerovox site by SAIC Engineering, Inc. during the September 1995 full moon period. The next inspection and round of water level readings are scheduled for March 1996 full moon period. Please call if you have any questions.

Sincerely,

SAIC ENGINEERING, INC.

  
Allen F. Davis, P.E.  
Project Manager

Enclosures

cc: G. Monte, DEP/SERO  
P. Galvani, Ropes & Gray  
P. Szwaja, Aerovox

Superfund Records Center  
Aerovox  
8.9

**Produced For The  
12/96 AVX FOIA Request  
New Bedford Harbor  
Superfund Site**

**Document produced to AVX in  
response to July 31, 2006 inquiry**

**POST-CLOSURE MONITORING REPORT  
AEROVOX, INC.  
NEW BEDFORD, MASSACHUSETTS**

I certify under penalty of law that I have personally examined and am familiar with the information in this inspection report and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Peter Szwaja  
Name

Sept 15, 95  
Date

Peter Szwaja  
Signature

Environmental Control Engineer  
Official Title

**LIST OF ATTACHMENTS**

Tables 1A and 1B     Dated: 9/7/95

Tables 2A and 2B     Dated: 9/8/95

Tables 3A and 3B     Dated: 9/9/95

Cap Inspection Report - Fall 1995

**TABLE 1A****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High  
Time of Tide: 0647  
Date: September 7, 1995  
Time of Readings: 0630 - 0702

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASLINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 134 MONTHS (4)
Tide Gauge	4.76		1.37	3.39		
Well No. 2	6.92		4.30	2.62		
Well No. 2A	6.67	2.62	4.40	2.27	-0.35	1.51 - 4.00
Well No. 3	6.95		5.05	1.90		
Well No. 3A	8.26	1.86	6.06	2.20	0.34	0.78 - 3.31
Well No. 4	10.99		8.74	2.25		
Well No. 4A	10.78	2.28	8.59	2.19	-0.09	1.60 - 3.88
Well No. 7	7.59		5.10	2.49		
Well No. 7A	7.33	2.60	4.69	2.64	0.04	2.38 - 3.40

**NOTES:**

Weather: 70 degrees F, Partly Cldy.

Readings by: Cortland Ridings

Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1995.

**TABLE 1B**

**WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low  
Time of Tide: 1258  
Date: September 7, 1995  
Time of Readings: 1240 - 1328

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 134 MONTHS (4)
Tide Gauge	4.76		Dry	-		
Well No. 2	6.92		5.65	1.27		
Well No. 2A	6.67	2.62	4.37	2.30	-0.32	1.51 - 4.00
Well No. 3	6.95		6.05	0.90		
Well No. 3A	8.26	1.86	6.40	1.86	-0.00	0.78 - 3.31
Well No. 4	10.99		10.85	0.14		
Well No. 4A	10.78	2.28	8.59	2.19	-0.09	1.60 - 3.88
Well No. 7	7.59		7.50	0.09		
Well No. 7A	7.33	2.60	4.65	2.68	0.08	2.38 - 3.40

**NOTES:**

Weather: 70 degrees F, Partly Cldy.

Readings by: Cortland Ridings

Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1995.

**TABLE 2A****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High  
Time of Tide: 0736  
Date: September 8, 1995  
Time of Readings: 0715 - 0759

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 134 MONTHS (4)
Tide Gauge	4.76		1.44	--		
Well No. 2	6.92		3.83	3.09		
Well No. 2A	6.67	2.62	4.12	2.55	-0.07	1.51 - 4.00
Well No. 3	6.95		5.10	1.85		
Well No. 3A	8.26	1.86	5.77	2.49	0.63	0.78 - 3.31
Well No. 4	10.99		8.69	2.30		
Well No. 4A	10.78	2.28	8.61	2.17	-0.11	1.60 - 3.88
Well No. 7	7.59		5.02	2.57		
Well No. 7A	7.33	2.60	4.67	2.66	0.06	2.38 - 3.40

**NOTES:**

Weather: 70 degrees F, Cldy.  
Readings by: Cortland Ridings  
Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1995.

**TABLE 2B****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low  
Time of Tide: 1346  
Date: September 8, 1995  
Time of Readings: 1325 - 1359**

<b>LOCATION</b>	<b>TOP OF CASING ELEVATION (1) (2)</b>	<b>BASELINE ELEVATION (3)</b>	<b>CURRENT READING</b>	<b>CURRENT ELEVATION</b>	<b>CHANGE IN ELEVATION vs. BASELINE</b>	<b>RANGE OF ELEVATION OVER PREVIOUS 134 MONTHS (4)</b>
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.95	0.97		
Well No. 2A	6.67	2.62	4.23	2.44	-0.18	1.51 - 4.00
Well No. 3	6.95		6.36	0.59		
Well No. 3A	8.26	1.86	6.40	1.86	-0.00	0.78 - 3.31
Well No. 4	10.99		11.14	-0.15		
Well No. 4A	10.78	2.28	8.61	2.17	-0.11	1.60 - 3.88
Well No. 7	7.59		7.76	-0.17		
Well No. 7A	7.33	2.60	4.73	2.60	-0.00	2.38 - 3.40

**NOTES:**

**Weather: 70 degrees F, Cldy.  
Readings by: Cortland Ridings  
Affiliation: SAIC Engineering , Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346**

**FOOTNOTES:**

- (1)** All readings and elevations are in feet and are referenced to mean sea level datum.
- (2)** Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3)** Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4)** Numbers in this column are the range of recorded elevations from July 1984 through September, 1995.

**TABLE 3A****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High**

**Time of Tide: 0823**

**Date: September 9, 1995**

**Time of Readings: 0805 - 0844**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 134 MONTHS (4)
Tide Gauge	4.76		1.23	3.53		
Well No. 2	6.92		4.75	2.17		
Well No. 2A	6.67	2.62	4.23	2.44	-0.18	1.51 - 4.00
Well No. 3	6.95		5.10	1.85		
Well No. 3A	8.26	1.86	6.10	2.16	0.30	0.78 - 3.31
Well No. 4	10.99		8.62	2.37		
Well No. 4A	10.78	2.28	8.61	2.17	-0.11	1.60 - 3.88
Well No. 7	7.59		4.95	2.64		
Well No. 7A	7.33	2.60	4.67	2.66	0.06	2.38 - 3.40

**NOTES:**

Weather: 65 degrees F, Cldy.

Readings by: Cortland Ridings

Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft., at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1995.

**TABLE 3B****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low

Time of Tide: 1428

Date: September 9, 1995

Time of Readings: 1410 - 1432

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 134 MONTHS (4)
Tide Gauge	4.76		Dry	-		
Well No. 2	6.92		5.15	1.77		
Well No. 2A	6.67	2.62	4.21	2.46	-0.16	1.51 - 4.00
Well No. 3	6.95		6.10	0.85		
Well No. 3A	8.26	1.86	6.31	1.95	0.09	0.78 - 3.31
Well No. 4	10.99		10.87	0.12		
Well No. 4A	10.78	2.28	8.62	2.16	-0.12	1.60 - 3.88
Well No. 7	7.59		7.57	0.02		
Well No. 7A	7.33	2.60	4.79	2.54	-0.06	2.38 - 3.40

**NOTES:**

Weather: 70 degrees F, Sun/Cldy

Readings by: Cortland Ridings

Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft., at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1995.



# **SHEET PILING/CAP INSPECTION REPORT - SEPTEMBER 1995**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Sheet 1 of 1

		Check if any listed defect is observed					
		CRACKS OR GAPS	FLAKING OR SPALLING	FROST HEAVES	DEPRESSION OR SETTLEMENT	OTHER	
A.	8-foot wide strip adjacent to north trough						
	1. Surface						
	2. Joints	Minor					
B.	Directly behind plant						
	1. Surface						
	2. Joints						
	* along building						
	* around cooling tower						
	* around well casings						
	* along steel pilings						
	* around fence posts						
C.	Remaining area on either side of old pump house						
	1. Surface						
	2. Joints						
	* around well casings						
	* around fence posts						
	* along steel pilings	Minor					See Note No. 1
D.	South drainage trough extension (concrete pipe)						
	1. Surface						
	2. Joints	X					See Note No. 2

Inspection by : Cortland Ridings

Affiliation : SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts 02346

Note No. 1: Ocean side of fence at sheet pilings; some minor gaps in pavement perpendicular to sheet piling.

Note No. 2: Joints between concrete trough and asphalt paving, south of fence and directly behind plant, should be resealed.